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FILE 'HOME' ENTERED AT 14:34:51 ON 31 JUL 2007

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STRUCTURE FILE UPDATES: 30 JUL 2007 HIGHEST RN 943719-65-1
DICTIONARY FILE UPDATES: 30 JUL 2007 HIGHEST RN 943719-65-1

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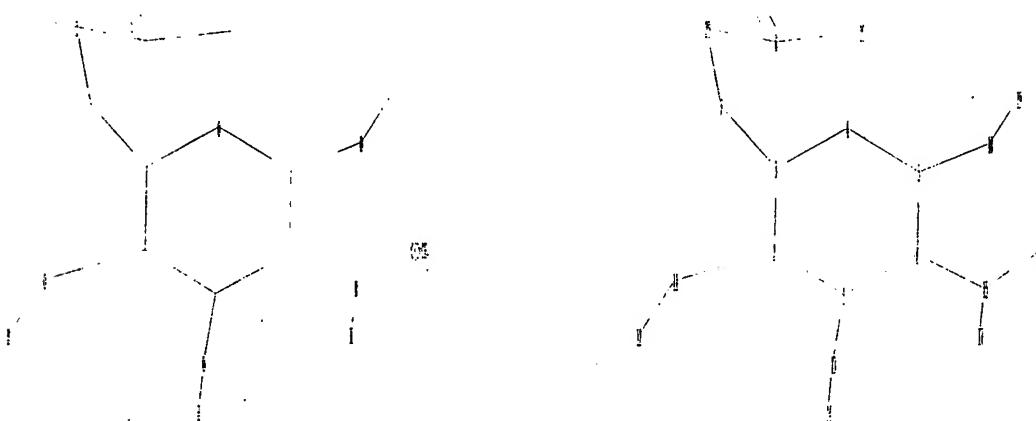
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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```
=> Uploading C:\Program Files\Stnexp\Queries\10531176\claim 6.str
```



chain nodes :

7 8 9 10 11 12 13 14 15 16 17 18 19 20

ring nodes :

Ring heads : .

chain bonds

Chain Bonds : 1-13 2-11 3-7 5-18 6-15 7-20 8-10 8-9 8-20 11-12 13-14 15-16 15-17

18-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

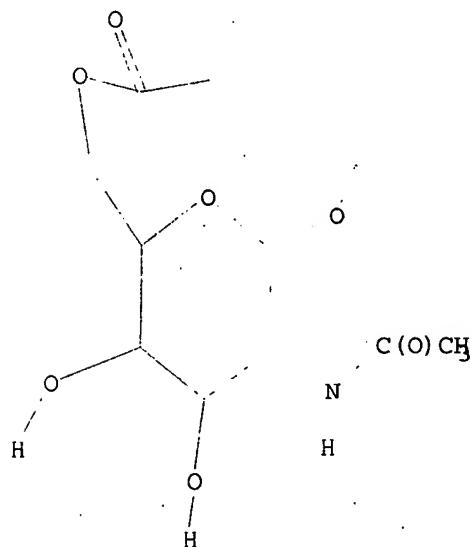
exact/norm bonds :
1-2 1-6 1-13 2-3 2-11 3-4 4-5 5-6 5-18 6-15 7-20 8-9 8-20 15-16 18-19

exact bonds :
3-7 8-10 11-12 13-14 15-17

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11
SAMPLE SEARCH INITIATED 14:35:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 845 TO ITERATE

100.0% PROCESSED 845 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 15157 TO 18643
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s 11 full
FULL SEARCH INITIATED 14:35:17 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 16608 TO ITERATE

100.0% PROCESSED 16608 ITERATIONS 36 ANSWERS
SEARCH TIME: 00.00.01

L3 36 SEA SSS FUL L1

=> file caplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	172.10	172.31

FILE 'CAPLUS' ENTERED AT 14:35:19 ON 31 JUL 2007
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FILE COVERS 1907 - 31 Jul 2007 VOL 147 ISS 6
FILE LAST UPDATED: 30 Jul 2007 (20070730/ED)

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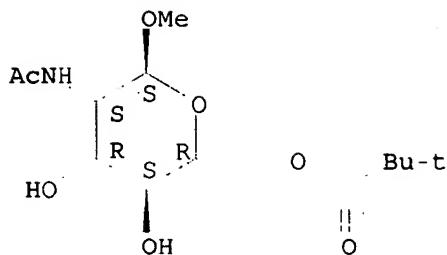
<http://www.cas.org/infopolicy.html>

=> s 13
L4 39 L3

=> d 14 1-39 ibib hitstr

L4 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:93833 CAPLUS
DOCUMENT NUMBER: 146:317134
TITLE: Synthesis of acylated methyl 2-acetamido-2-deoxy-
α-D-mannopyranosides
AUTHOR(S): Petrovic, V.; Car, Z.; Prugovecki, B.; Tomic, S.;
Matkovic-Calogovic, D.
CORPORATE SOURCE: Laboratory of Organic Chemistry, Department of
Chemistry, Faculty of Science, University of Zagreb,
Zagreb, Croatia
SOURCE: Journal of Carbohydrate Chemistry (2006), 25(8-9),
685-695
CODEN: JCACDM; ISSN: 0732-8303
PUBLISHER: Taylor & Francis, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 929033-49-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(synthesis of acylated Me 2-acetamido-2-deoxy-α-D-
mannopyranosides)
RN 929033-49-8 CAPLUS
CN α-D-Mannopyranoside, methyl 2-(acetylamino)-2-deoxy-,
6-(2,2-dimethylpropanoate) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:1262472 CAPLUS

DOCUMENT NUMBER: 144:7027

TITLE: Preparation of acetylglucosamine derivative of indomethacin as antiinflammatory agents

INVENTOR(S): Li, Yingxia; Zhang, Yichun; Song, Ni; Li, Chunxia

PATENT ASSIGNEE(S): Ocean University of China, Peop. Rep. China

SOURCE: Faming Zhanli Shengqing Gongkai Shuomingshu, 8 pp.

CODEN: CNXXEV

DOCUMENT TYPE: Patent

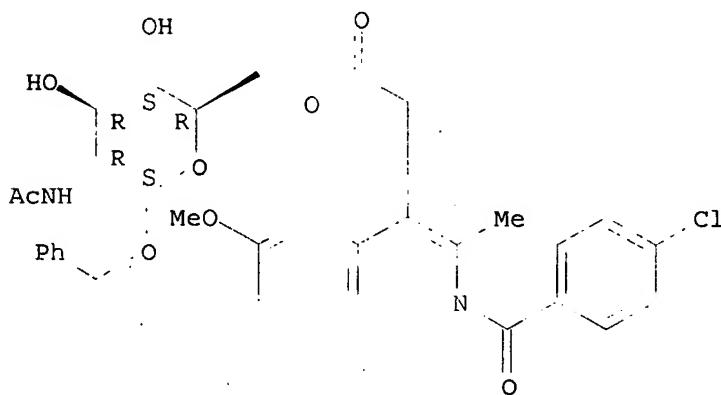
LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1616474	A	20050518	CN 2004-10035642	20040902
PRIORITY APPLN. INFO.:			CN 2004-10035642	20040902
OTHER SOURCE(S):	CASREACT 144:7027			
IT 869860-54-8P	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)			
	(preparation and antiinflammatory activity of acetylglucosamine derivative of indomethacin)			
RN 869860-54-8 CAPLUS				
CN α -D-Glucopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-, 6-[1-(4-chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetate] (9CI) (CA INDEX NAME)				

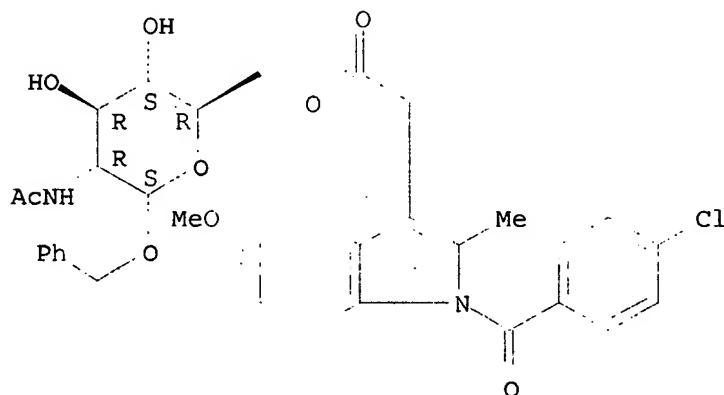
Absolute stereochemistry.



L4 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:264974 CAPLUS
 DOCUMENT NUMBER: 144:36454
 TITLE: Synthesis of indomethacin conjugates with
 D-glucosamine
 AUTHOR(S): Zhang, Yi Chun; Li, Ying Xia; Guan, Hua Shi
 CORPORATE SOURCE: Key Laboratory of Marine Drugs, Marine Drug and Food
 Institute, Ministry of Education, Ocean University of
 China, Qingdao, 266003, Peop. Rep. China
 SOURCE: Chinese Chemical Letters (2005), 16(2), 179-182
 PUBLISHER: Chinese Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 144:36454
 IT 869860-54-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of D-glucosamine based indomethacin conjugates and their use as
 antiulcer agents)
 RN 869860-54-8 CAPLUS
 CN α -D-Glucopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-,
 6-[1-(4-chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetate] (9CI) (CA
 INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:404827 CAPLUS
 DOCUMENT NUMBER: 141:366400
 TITLE: Regioselective enzymatic acylation of
 N-acetylhexosamines
 AUTHOR(S): Simerska, Pavla; Pisvejcova, Andrea; Kuzma, Marek;
 Sedmera, Petr; Kren, Vladimir; Nicotra, Silvia; Riva,
 Sergio
 CORPORATE SOURCE: Laboratory of Biotransformation, Institute of
 Microbiology, Academy of Sciences of the Czech
 Republic, Prague, CZ-142 20 4, Czech Rep.
 SOURCE: Journal of Molecular Catalysis B: Enzymatic (2004),
 29(1-6), 219-225
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 141:366400
 IT 776297-63-3P 776297-64-4P
 RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP

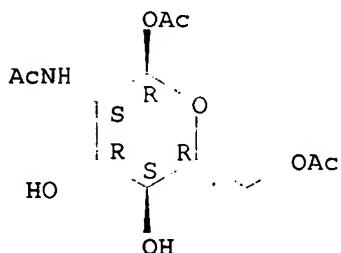
(Preparation)

(preparation of acyl derivs. by regioselective enzymic acylation of
N-acetylhexosamines)

RN 776297-63-3 CAPLUS

CN α -D-Mannopyranose, 2-(acetylamino)-2-deoxy-, 1,6-diacetate (9CI)
(CA INDEX NAME)

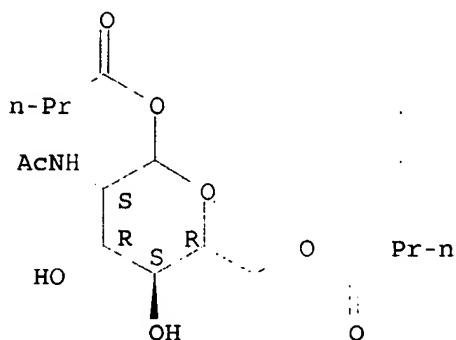
Absolute stereochemistry.



RN 776297-64-4 CAPLUS

CN D-Mannopyranose, 2-(acetylamino)-2-deoxy-, 1,6-dibutanoate (9CI) (CA
INDEX NAME)

Absolute stereochemistry.

REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:333731 CAPLUS

DOCUMENT NUMBER: 140:339574

TITLE: Preparation of N-acetylglucosamine derivatives as
promoters for hyaluronic acid productionINVENTOR(S): Fukunaga, Kyoko; Sayo, Tetsuya; Sakai, Shingo; Inoue,
Shintaro

PATENT ASSIGNEE(S): Kanebo, Ltd., Japan

SOURCE: PCT Int. Appl., 78 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

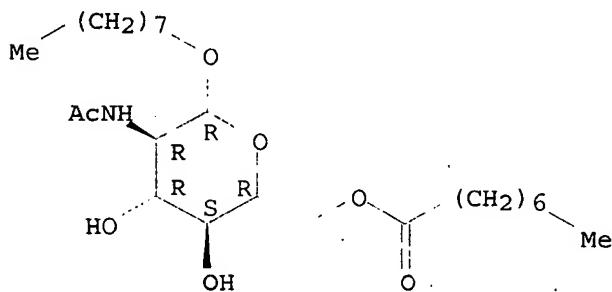
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004033474	A1	20040422	WO 2003-JP9428	20030725
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,				

PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,	TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,	KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,	BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2003252684 A1 20040504 AU 2003-252684 20030725	EP 1553101 A1 20050713 EP 2003-807954 20030725
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
CN 1688595 A 20051026 CN 2003-824086 20030725	US 2006020127 A1 20060126 US 2005-531176 20050411
PRIORITY APPLN. INFO.:	
JP 2002-295733 A 20021009	
JP 2003-9365 A 20030117	
JP 2003-79595 A 20030324	
WO 2003-JP9428 W 20030725	

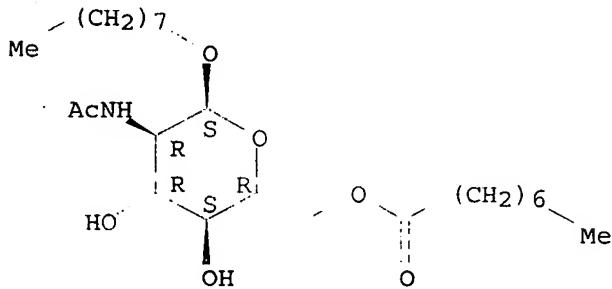
OTHER SOURCE(S): MARPAT 140:339574
IT 681153-34-4P 681160-54-3P 681160-55-4P
RL: COS (Cosmetic use); .PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of N-acetylglucosamine derivs. as promoters for hyaluronic acid production and skin preparation for external use)
RN 681153-34-4 CAPLUS
CN β -D-Glucopyranoside, octyl 2-(acetylamino)-2-deoxy-, 6-octanoate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



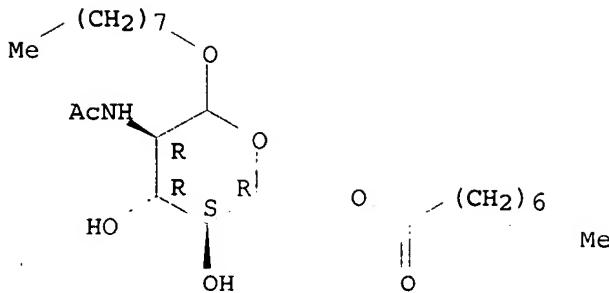
RN 681160-54-3 CAPLUS
CN α -D-Glucopyranoside, octyl 2-(acetylamino)-2-deoxy-, 6-octanoate
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 681160-55-4 CAPLUS
CN D-Glucopyranoside, octyl 2-(acetylamino)-2-deoxy-, 6-octanoate (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:302827 CAPLUS

DOCUMENT NUMBER: 141:7374

TITLE: A concise synthesis of N-trichloroethoxycarbonyl lactosamine trichloroacetimidate donor and its application in the synthesis of Gal(β1-4)GlcNAc(β1-3)L-Fuc(α-OAll)

AUTHOR(S): Xue, Jun; Khaja, Sirajud. D.; Locke, Robert D.; Matta, Khushi L.

CORPORATE SOURCE: Molecular and Cellular Biophysics, Roswell Park Cancer Institute, Buffalo, NY, 14263, USA

SOURCE: Synlett (2004), (5), 861-865

CODEN: SYNLES; ISSN: 0936-5214

PUBLISHER: Georg Thieme Verlag

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 141:7374

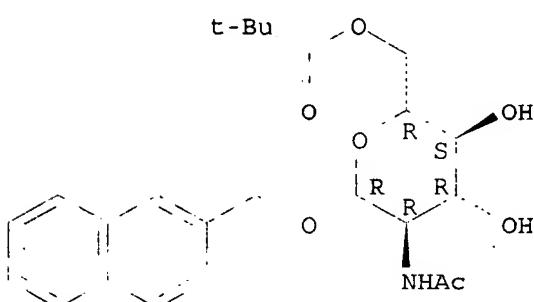
IT 695179-99-8

RL: RCT (Reactant); RACT (Reactant or reagent)
(synthesis of N-trichloroethoxycarbonyl lactosamine trichloroacetimidate donor in synthesis of Gal(β1-4)GlcNAc(β1-3)L-Fuc(α-OAll) via triflate-catalyzed stereoselective transglycosylation)

RN 695179-99-8 CAPLUS

CN β-D-Glucopyranoside, 2-naphthalenylmethyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

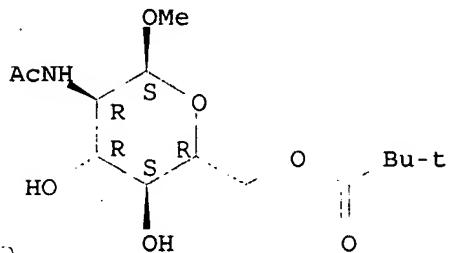
ACCESSION NUMBER: 2003:909508 CAPLUS

DOCUMENT NUMBER: 140:94216

TITLE: Synthesis of a carbon-linked mimic of the disaccharide component of the tumor-related sialyltin antigen

AUTHOR(S): Abdallah, Zouleika; Doisneau, Gilles; Beau, Jean-Marie
 CORPORATE SOURCE: Laboratoire de Synthese de Biomolecules associe au
 CNRS, Universite Paris-Sud, Orsay, 91405, Fr.
 SOURCE: Angewandte Chemie, International Edition (2003),
 42(42), 5209-5212
 CODEN: ACIEF5; ISSN: 1433-7851
 PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 140:94216
 IT 120489-31-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (synthesis of a C-sialo disaccharide component present in tumor-related
 sialyltin antigens)
 RN 120489-31-8 CAPLUS
 CN α -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-,
 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

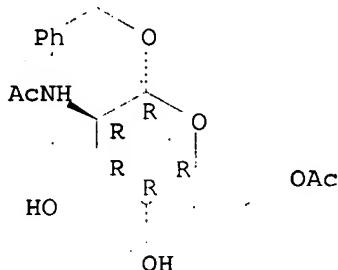
Absolute stereochemistry.



REFERENCE COUNT: 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:552597 CAPLUS
 DOCUMENT NUMBER: 137:243862
 TITLE: Elucidation of the Mechanism of Polysaccharide Cleavage by Chondroitin AC Lyase from *Flavobacterium heparinum*
 AUTHOR(S): Rye, Carl S.; Withers, Stephen G.
 CORPORATE SOURCE: Department of Chemistry, University of British Columbia, Vancouver, BC, V6T 1Z1, Can.
 SOURCE: Journal of the American Chemical Society (2002),
 124(33), 9756-9767
 CODEN: JACSAT; ISSN: 0002-7863
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 137:243862
 IT 461025-95-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (elucidation of mechanism of polysaccharide cleavage by chondroitin AC lyase from *Flavobacterium heparinum* and synthesis of substrates)
 RN 461025-95-6 CAPLUS
 CN β -D-Galactopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-,
 6-acetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 68 THERE ARE 68 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:169125 CAPLUS

DOCUMENT NUMBER: 133:55740

TITLE: Differentiation of O-acetyl and O-carbamoyl esters of N-acetyl-glucosamine by decomposition of their oxonium ions. application to the structure of the nonreducing terminal residue of nod factors

AUTHOR(S): Treilhou, M.; Ferro, M.; Monteiro, C.; Poinsot, V.; Jabbouri, S.; Kanony, C.; Prome, D.; Prome, J.-C.

CORPORATE SOURCE: Laboratoire des Interactions Moleculaires et Reactivite Chimique et Photochimique, Universite Paul Sabatier, Toulouse, Fr.

SOURCE: Journal of the American Society for Mass Spectrometry (2000), 11(4), 301-311

CODEN: JAMSEF; ISSN: 1044-0305

PUBLISHER: Elsevier Science Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

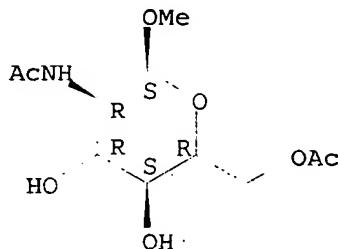
IT 76567-85-6P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (synthesis and structure determination by mass spectrometry of positional isomers of monoacetyl and monocarbamoyl esters of methylacetylglucosamine as Nod factor model compds.)

RN 76567-85-6 CAPLUS

CN α -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-acetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:138867 CAPLUS

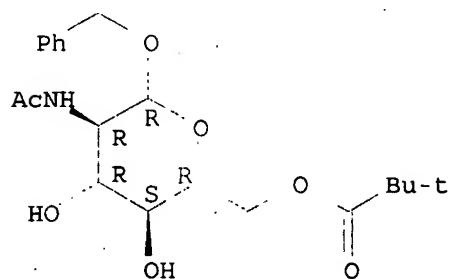
DOCUMENT NUMBER: 126:251327

TITLE: Selectin inhibition: synthesis and evaluation of novel sialylated, sulfated and fucosylated oligosaccharides, including the major capping group of GlyCAM-1

AUTHOR(S) : Koenig, Andrea; Jain, Rakesh; Vig, Rakesh;
 Norgard-Sumnnicht, Karin E.; Matta, Khushi L.; Varki, Ajit
 CORPORATE SOURCE: UCSD Cancer Center, University of California San Diego, La Jolla, CA, 92093, USA
 SOURCE: Glycobiology (1997), 7(1), 79-93
 CODEN: GLYCE3; ISSN: 0959-6658
 PUBLISHER: Oxford University Press
 DOCUMENT TYPE: Journal
 LANGUAGE: English

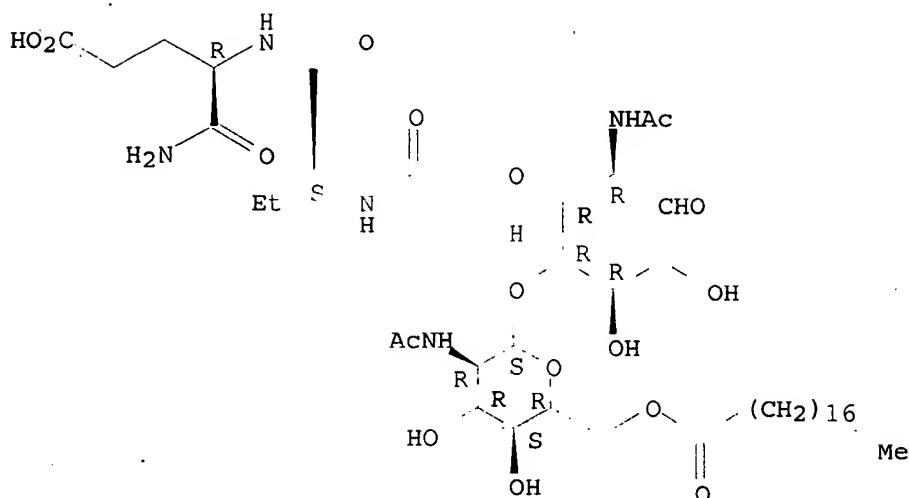
IT 176166-27-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of novel sialylated, sulfated, and fucosylated oligosaccharides as selectin inhibitors)
 RN 176166-27-1 CAPLUS
 CN β -D-Glucopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 11 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1996:639657 CAPLUS
 DOCUMENT NUMBER: 126:139608
 TITLE: Immunomodulatory and radioprotective activities of synthetic analogs of the disaccharide-dipeptide subunit of peptidoglycan
 AUTHOR(S): Hribalova, V.; Vacek, A.; Toman, M.; Horavova, P.; Ledvina, M.; Jezek, J.
 CORPORATE SOURCE: National Institute Public Health, Prague, CZ-100 42, Czech Rep.
 SOURCE: Peptides 1994, Proceedings of the European Peptide Symposium, 23rd, Braga, Port., Sept. 4-10, 1994 (1995), Meeting Date 1994, 847-848. Editor(s): Maia, Hernani L. S. ESCOM: Leiden, Neth.
 CODEN: 63MBAO
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 IT 155780-14-6
 RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
 (immunostimulatory and radioprotective activities of muramyl dipeptide analogs)
 RN 155780-14-6 CAPLUS
 CN Pentanoic acid, 4-[[2S]-2-[[N-acetyl-4-O-[2-(acetylamino)-2-deoxy-6-O-(1-oxooctadecyl)- β -D-glucopyranosyl]normuramoyl]amino]-1-oxobutyl]amino]-5-amino-5-oxo-, (4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 155780-15-7

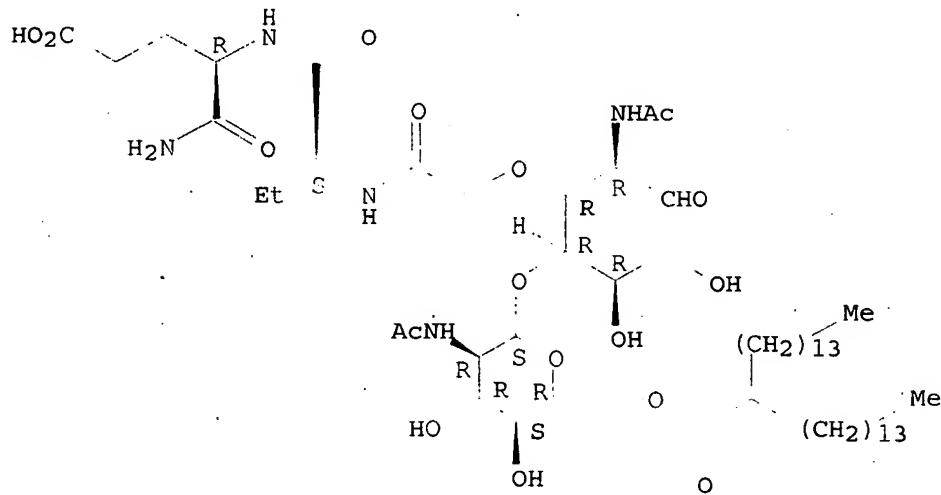
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(immunostimulatory and radioprotective activities of muramyl dipeptide analogs)

RN 155780-15-7 CAPLUS

CN Pentanoic acid, 4-[[[(2S)-2-[[N-acetyl-4-O-[2-(acetylamino)-2-deoxy-6-O-(1-oxo-2-tetradecylhexadecyl)-β-D-glucopyranosyl]normuramoyl]amino]-1-oxobutyl]amino]-5-amino-5-oxo-, (4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 12 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:151851 CAPLUS

DOCUMENT NUMBER: 124:317699

TITLE: Selectin ligands: 2,3,4-tri-O-acetyl-6-O-pivaloyl-
α/β-galactopyranosyl halide as novel
glycosyl donor for the synthesis of 3-O-sialyl or
3-O-sulfo Lex and Lea type structures

AUTHOR (S) :

CORPORATE SOURCE: Mohammad, Asif; Matta, Khushi L.
Dep. Gynecologic Oncology, Roswell Park Cancer Inst.,
Buffalo, NY, 14263, USA

SOURCE: Chemical Communications (Cambridge) (1996), (1), 65-7

CODEN: CHCOFS; ISSN: 1359-7345

PUBLISHER: Royal Society of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 176166-27-1

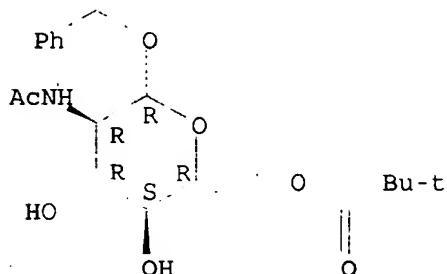
RL: RCT (Reactant); RACT (Reactant or reagent)

(galactopyranosyl halides as glycosyl donors in preparation of sialyl Lewis determinants)

RN 176166-27-1 CAPLUS

CN β -D-Glucopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 13 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:900468 CAPLUS

DOCUMENT NUMBER: 124:117806

TITLE: Selectin ligands: synthesis of 3'-O-sialyl-6'-O-sulfo Lewisa NeuAc α 2 \rightarrow 3(6-O-SO₃Na)Gal β 1 \rightarrow 3 (Fuc α 1 \rightarrow 4) GlcNAc β -OMe

AUTHOR(S): Vig, Rakesh; Jain, Rakesh K.; Piskorz, Conrad F.; Matta, Khushi L.

CORPORATE SOURCE: Department Gynecologic Oncology, Roswell Park Cancer Institute, Buffalo, NY, 14263, USA

SOURCE: Journal of the Chemical Society, Chemical Communications (1995), (20), 2073-4

CODEN: JCCCAT; ISSN: 0022-4936

PUBLISHER: Royal Society of Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 120489-49-8

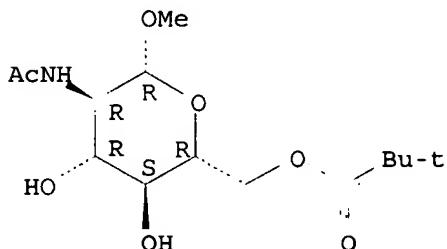
RL: RCT (Reactant); RACT (Reactant or reagent)

(asym. synthesis of sialylsulfate Lewis A as selectin ligands)

RN 120489-49-8 CAPLUS

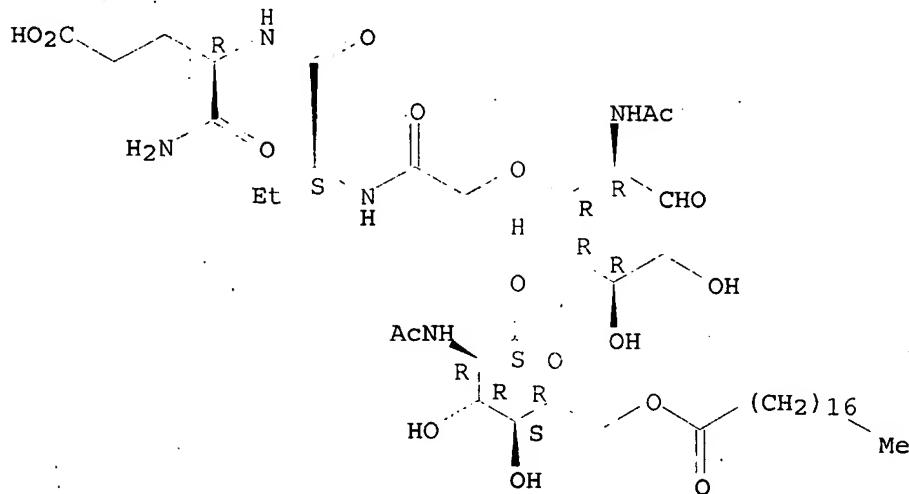
CN β -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



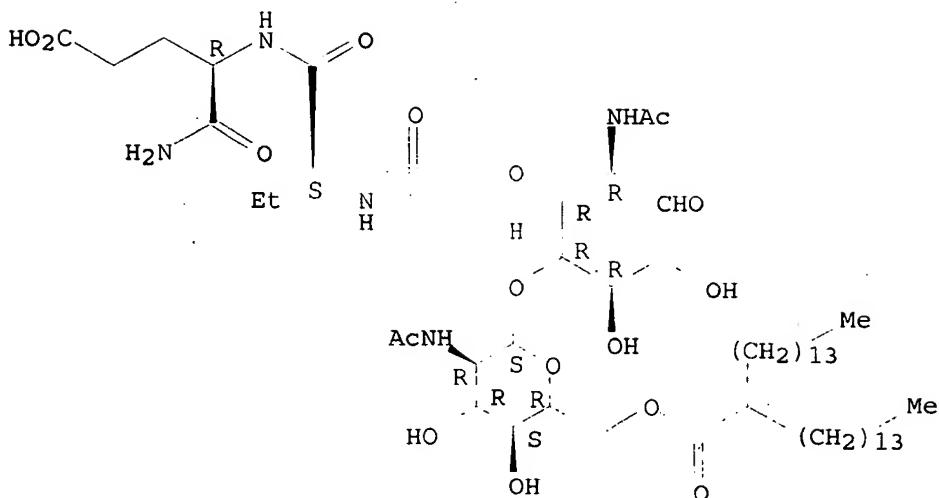
L4 ANSWER 14 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1995:592524 CAPLUS
 DOCUMENT NUMBER: 123:257185
 TITLE: Fragmentation of lipophilic disaccharide analogs of muramyl dipeptide (MDP) in FAB mass spectrometry, a characterization of lipophilic substitution
 AUTHOR(S): Vaisar, Tomas; Ledvina, Miroslav; Jezek, Jan
 CORPORATE SOURCE: Inst. Org. Chem. Biochem., Acad. Sci. Czech Republic, Prague, 166 10, Czech Rep.
 SOURCE: Journal of Mass Spectrometry (1995), 30(5), 767-8
 CODEN: JMSPFJ; ISSN: 1076-5174
 PUBLISHER: Wiley
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 155780-14-6 155780-15-7
 RL: PRP. (Properties)
 (fragmentation of lipophilic disaccharide analogs of muramyl dipeptide using fast-atom-bombardment mass spectrometry)
 RN 155780-14-6 CAPLUS
 CN Pentanoic acid, 4-[(2S)-2-[[N-acetyl-4-O-[2-(acetylamino)-2-deoxy-6-O-(1-oxooctadecyl)- β -D-glucopyranosyl]normuramoyl]amino]-1-oxobutyl]amino]-5-amino-5-oxo-, (4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



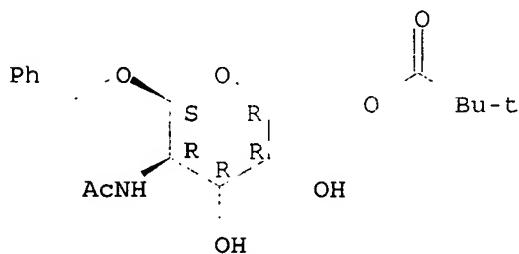
RN 155780-15-7 CAPLUS
 CN Pentanoic acid, 4-[(2S)-2-[[N-acetyl-4-O-[2-(acetylamino)-2-deoxy-6-O-(1-oxo-2-tetradecylhexadecyl)- β -D-glucopyranosyl]normuramoyl]amino]-1-oxobutyl]amino]-5-amino-5-oxo-, (4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 15 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1995:397786 CAPLUS
 DOCUMENT NUMBER: 122:158039
 TITLE: Selectin Ligands and Tumor-Associated Carbohydrate
 Structures: Specificities of α 2,3-
 Sialyltransferases in the Assembly of
 3'-Sialyl-6-sulfo/sialyl Lewis a and x,
 3'-Sialyl-6'-sulfo Lewis x, and 3'-Sialyl-6-
 sialyl/sulfo Blood Group T-hapten
 AUTHOR(S): Chandrasekaran, E. V.; Jain, Rakesh K.; Larsen, Robert
 D.; Wlasichuk, Ken; Matta, Khushi L.
 CORPORATE SOURCE: Department of Gynecologic Oncology, Roswell Park
 Cancer Institute, Buffalo, NY, 14263, USA
 SOURCE: Biochemistry (1995), 34(9), 2925-36
 CODEN: BICBWA; ISSN: 0006-2960
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 161299-17-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and glycosylation of)
 RN 161299-17-8 CAPLUS
 CN α -D-Galactopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-,
 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 16 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1994:436053 CAPLUS
 DOCUMENT NUMBER: 121:36053

TITLE: Synthesis of O-[2-acetamido-2-deoxy-6-O-stearoyl- and
 -6-O-(2-tetradecylhexadecanoyl)- β -D-
 glucopyranosyl]-(1 \rightarrow 4)-N-acetylnormuramoyl-L-
 α -aminobutanoyl-D-isoglutamine, lipophilic
 disaccharide analogs of MDP

AUTHOR(S): Ledvina, Miroslav; Jezek, Jan; Saman, David; Vaisar, Tomas; Hribalova, Vera

CORPORATE SOURCE: Inst. Org. Chem. Biochem., Czech. Acad. Sci., Prague, 166 10, Czech.

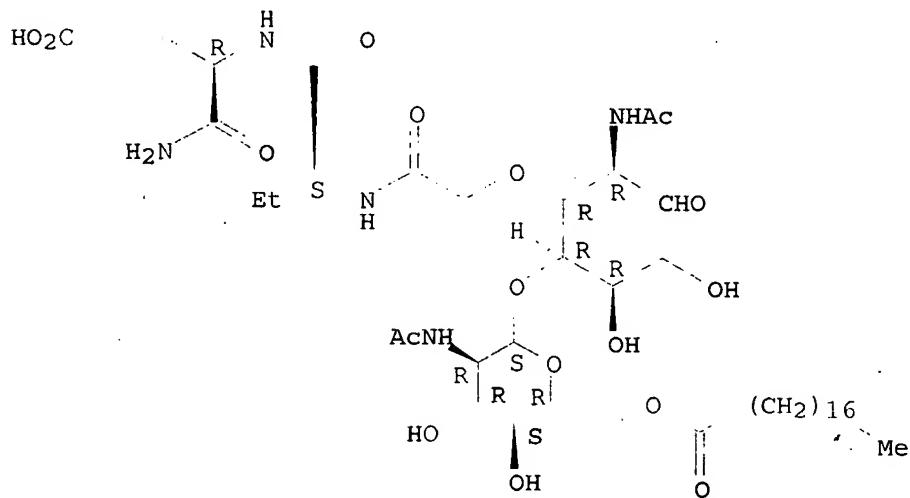
SOURCE: Carbohydrate Research (1994), 251, 269-84
 CODEN: CRBRAT; ISSN: 0008-6215

DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 121:36053

IT 155780-14-6P 155780-15-7P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation, pyrogenicity and adjuvant activity of)

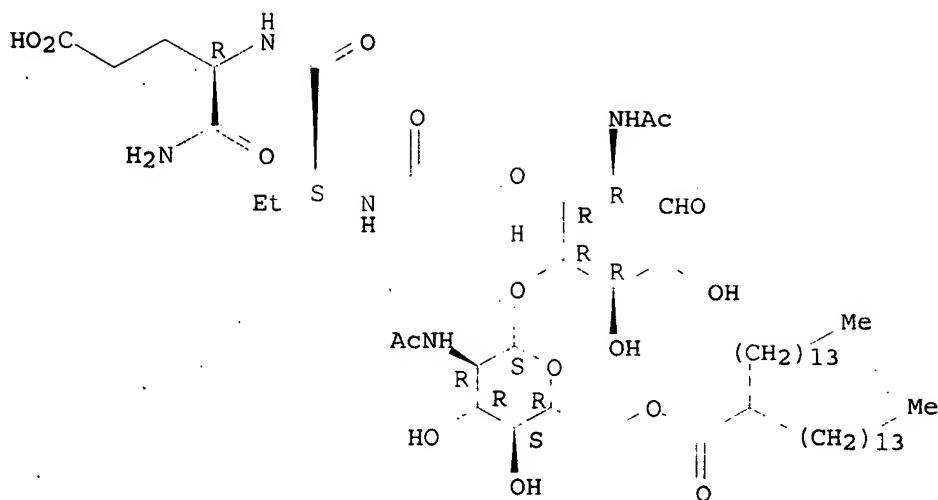
RN 155780-14-6 CAPLUS
 CN Pentanoic acid, 4-[(2S)-2-[[N-acetyl-4-O-[2-(acetylamino)-2-deoxy-6-O-(1-oxooctadecyl)- β -D-glucopyranosyl]normuramoyl]amino]-1-oxobutyl]amino]-5-amino-5-oxo-, (4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

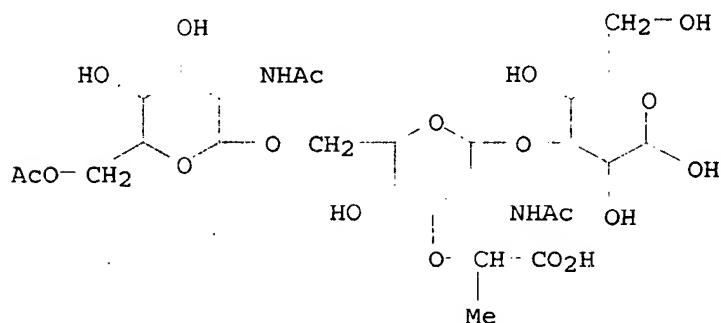


RN 155780-15-7 CAPLUS
 CN Pentanoic acid, 4-[(2S)-2-[[N-acetyl-4-O-[2-(acetylamino)-2-deoxy-6-O-(1-oxo-2-tetradecylhexadecyl)- β -D-glucopyranosyl]normuramoyl]amino]-1-oxobutyl]amino]-5-amino-5-oxo-, (4R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



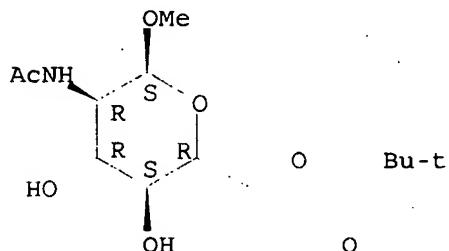
L4 ANSWER 17 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1993:76696 CAPLUS
 DOCUMENT NUMBER: 118:76696
 TITLE: Structure of the O-specific polysaccharide of *Proteus penneri* 62 containing 2-acetamido-3-O-[(S)-1-carboxyethyl]-2-deoxy-D-glucose (N-acetylisomuramic acid)
 AUTHOR(S): Knirel, Yuriy A.; Paramonov, N. A.; Vinogradov, E. V.; Shashkov, A. S.; Kochetkov, N. K.; Sidorczyk, Zygmunt; Swierzko, Anna
 CORPORATE SOURCE: N. D. Zelinskii Inst. Org. Chem., Moscow, B-334, Russia
 SOURCE: Carbohydrate Research (1992), 235, C19-C23
 CODEN: CRBRAT; ISSN: 0008-6215
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 145706-91-8
 RL: BIOL (Biological study)
 (repeating unit, of O-specific polysaccharide of *Proteus penneri*)
 RN 145706-91-8 CAPLUS
 CN α -D-Galactopyranose, O-6-O-acetyl-2-(acetylamino)-2-deoxy- β -D-glucopyranosyl-(1 \rightarrow 6)-O-(N-acetyl- β -isomuramyl)-(1 \rightarrow 3)- (9CI) (CA INDEX NAME)



L4 ANSWER 18 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1991:680418 CAPLUS
 DOCUMENT NUMBER: 115:280418
 TITLE: Partial purification of esterases from rabbit serum

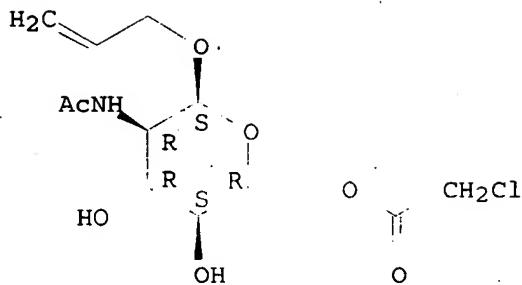
AUTHOR(S): and their use in regioselective deacylations of sugars
 Tomic, Srdjanka; Trescec, Anda; Ljevakovic, Djurdjica;
 Tomasic, Jelka
 CORPORATE SOURCE: Dep. Radioimmunol., Inst. Immunol., Zagreb, 41000,
 Yugoslavia
 SOURCE: Carbohydrate Research (1991), 210, 191-8
 CODEN: CRBRAT; ISSN: 0008-6215
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 115:280418
 IT 120489-31-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (enzymic deacylation of)
 RN 120489-31-8 CAPLUS
 CN α -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-,
 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



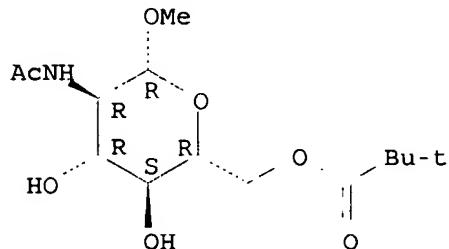
L4 ANSWER 19 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1991:626828 CAPLUS
 DOCUMENT NUMBER: 115:226828
 TITLE: Probing the acceptor specificity of
 β -1,4-galactosyltransferase for the development
 of enzymatic synthesis of novel oligosaccharides
 AUTHOR(S): Wong, Chi Huey; Ichikawa, Yoshitaka; Krach, Thomas;
 Gautheron-Le Narvor, Christine; Dumas, David P.; Look,
 Gary C.
 CORPORATE SOURCE: Dep. Chem., Scripps Res. Inst., La Jolla, CA, 92037,
 USA
 SOURCE: Journal of the American Chemical Society (1991),
 113(21), 8137-45
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 115:226828
 IT 136882-55-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 136882-55-8 CAPLUS
 CN α -D-Glucopyranoside, 2-propenyl 2-(acetylamino)-2-deoxy-,
 6-(chloroacetate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



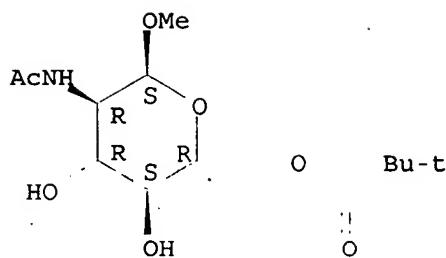
L4 ANSWER 20 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1990:21229 CAPLUS
 DOCUMENT NUMBER: 112:21229
 TITLE: Enzymic deacylations of esterified saccharides. Part IV. Stereoselective hydrolysis of radiolabeled O-pivaloyl derivatives of methyl 2-acetamido-2-deoxy-D-glucopyranoside
 AUTHOR(S): Tomic, Srdanka; Ljevakovic, Durdica; Tomasic, Jelka
 CORPORATE SOURCE: Dep. Radioimmunol., Inst. Immunol., Zagreb, 41000, Yugoslavia
 SOURCE: Carbohydrate Research (1989), 188, 222-7
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 112:21229
 IT 120489-49-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and acetylation of)
 RN 120489-49-8 CAPLUS
 CN β -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



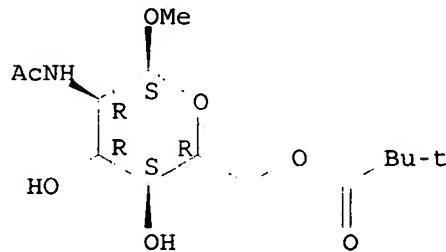
IT 120489-31-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 120489-31-8 CAPLUS
 CN α -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



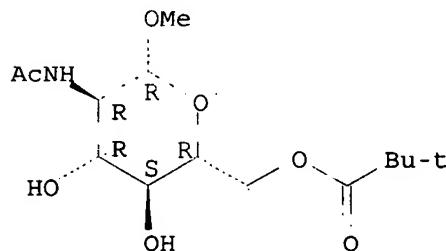
L4 ANSWER 21 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1989:614852 CAPLUS
 DOCUMENT NUMBER: 111:214852
 TITLE: Selective pivaloylation of 2-(acetamido)-2-deoxy sugars [Erratum to document cited in CA110(23):213238k]
 AUTHOR(S): Ljevakovic, Durdica; Tomic, Srdanka; Tomasic, Jelka
 CORPORATE SOURCE: Dep. Radioimmunol., Inst. Immunol., Zagreb, 41000, Yugoslavia
 SOURCE: Carbohydrate Research (1989), 191(1), C1
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 120489-31-8P 120489-49-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and acetylation of (Erratum))
 RN 120489-31-8 CAPLUS
 CN α -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



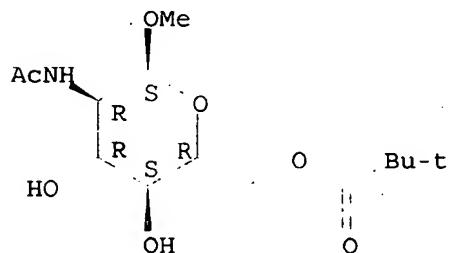
RN 120489-49-8 CAPLUS
 CN β -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



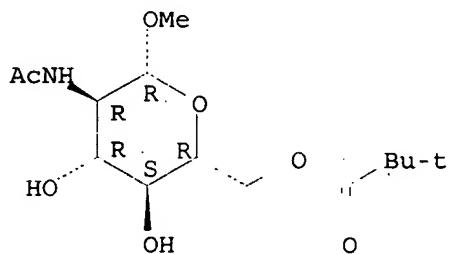
L4 ANSWER 22 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1989:213238 CAPLUS
 DOCUMENT NUMBER: 110:213238
 TITLE: Selective pivaloylation of 2-(acetamido)-2-deoxy sugars
 AUTHOR(S): Ljevakovic, Durdica; Tomic, Srdanka; Tomasic, Jelka
 CORPORATE SOURCE: Dep. Radioimmunol., Inst. Immunol., Zagreb, 41000, Yugoslavia
 SOURCE: Carbohydrate Research (1988), 182(2), 197-205
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 110:213238
 IT 120489-31-8P 120489-49-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and acetylation of)
 RN 120489-31-8 CAPLUS
 CN α -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 120489-49-8 CAPLUS
 CN β -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-(2,2-dimethylpropanoate) (9CI) (CA INDEX NAME)

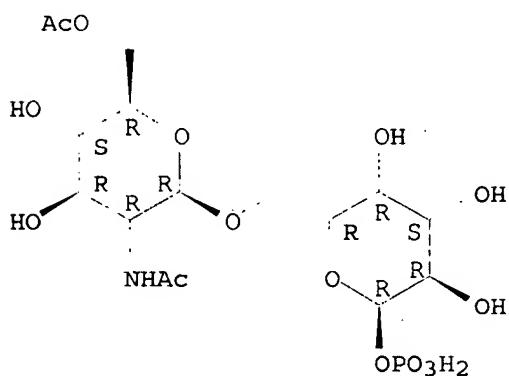
Absolute stereochemistry.



L4 ANSWER 23 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1987:67596 CAPLUS
 DOCUMENT NUMBER: 106:67596
 TITLE: Structural studies of the capsular polysaccharide from *Haemophilus pleuropneumoniae* serotype 1
 AUTHOR(S): Altman, Eleonora; Brisson, Jean Robert; Perry, Malcolm B.
 CORPORATE SOURCE: Div. Biol. Sci., Natl. Res. Counc. Canada, Ottawa, ON, K1A 0R6, Can.
 SOURCE: Biochemistry and Cell Biology (1986), 64(8), 707-16
 DOCUMENT TYPE: Journal
 LANGUAGE: English

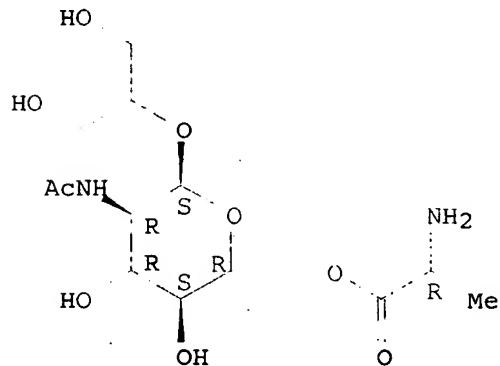
IT 106444-72-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (repeating unit of, for capsular polysaccharide of *Haemophilus*
 pleuropneumoniae, mol. structure of)
 RN 106444-72-8 CAPLUS
 CN α -D-Galactopyranose, 6-O-[6-O-acetyl-2-(acetylamino)-2-deoxy- β -D-glucopyranosyl]-, 1-(dihydrogen phosphate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 24 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1986:549398 CAPLUS
 DOCUMENT NUMBER: 105:149398
 TITLE: Comparative studies of lipoteichoic acids from several
Bacillus strains
 AUTHOR(S): Iwasaki, Hiroyoshi; Shimada, Akira; Ito, Eiji
 CORPORATE SOURCE: Fac. Sci., Hokkaido Univ., Sapporo, 060, Japan
 SOURCE: Journal of Bacteriology (1986), 167(2), 508-16
 CODEN: JOBAAY; ISSN: 0021-9193
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 104537-92-0
 RL: BIOL (Biological study)
 (repeating unit, in lipoteichoic acid from *Bacillus* strains)
 RN 104537-92-0 CAPLUS
 CN D-Alanine, 6-ester with 2-hydroxy-1-(hydroxymethyl)ethyl
 2-(acetylamino)-2-deoxy- α -D-glucopyranoside (9CI) (CA INDEX NAME)

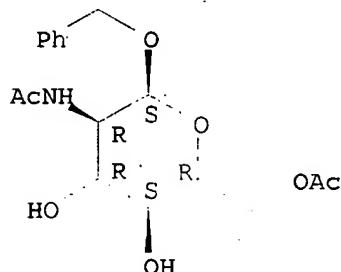
Absolute stereochemistry.



L4 ANSWER 25 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1986:168703 CAPLUS
 DOCUMENT NUMBER: 104:168703

TITLE: Artificial carbohydrate antigens. Incorporation of the
 Lea trisaccharide into polymers having an
 oligosaccharide → glycosylated spacer →
 antigen structure.
 AUTHOR(S): Bovin, N. V.; Ivanova, I. A.; Khorlin, A. Ya.
 CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, USSR
 SOURCE: Bioorganicheskaya Khimiya (1985), 11(5), 662-70
 CODEN: BIKHD7; ISSN: 0132-3423
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 IT 67535-71-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (glycosidation of, by acetobromolactose)
 RN 67535-71-1 CAPLUS
 CN α-D-Glucopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-,
 6-acetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 26 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1986:51070 CAPLUS
 DOCUMENT NUMBER: 104:51070
 TITLE: Retinoids
 INVENTOR(S): Bollag, Werner; Mayer, Hans Johann; Wyss, Pierre
 Charles
 PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co. A.-G., Switz.
 SOURCE: Ger. Offen., 16 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3444051	A1	19850613	DE 1984-3444051	19841203
DE 3444051	C2	19940804		
CH 661516	A5	19870731	CH 1983-6570	19831208
CA 1234107	A1	19880315	CA 1984-466485	19841029
AU 8435143	A	19850613	AU 1984-35143	19841106
AU 571278	B2	19880414		
NL 8403554	A	19850701	NL 1984-3554	19841122
ZA 8409364	A	19850731	ZA 1984-9364	19841130
US 4565863	A	19860121	US 1984-677441	19841203
SE 8406138	A	19850609	SE 1984-6138	19841204
SE 468987	B	19930426		
SE 468987	C	19930819		
JP 60146896	A	19850802	JP 1984-255151	19841204
JP 05024920	B	19930409		
BE 901210	A1	19850605	BE 1984-214112	19841205
FR 2556348	A1	19850614	FR 1984-18617	19841206
FR 2556348	B1	19881014		

DK 8405873

A 19850609

DK 1984-5873

19841207

DK 163585

B 19920316

DK 163585

C 19920824

GB 2152498

A 19850807

GB 1984-30915

19841207

GB 2152498

B 19870909

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 104:51070

IT 99792-34-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of, as antitumor agent)

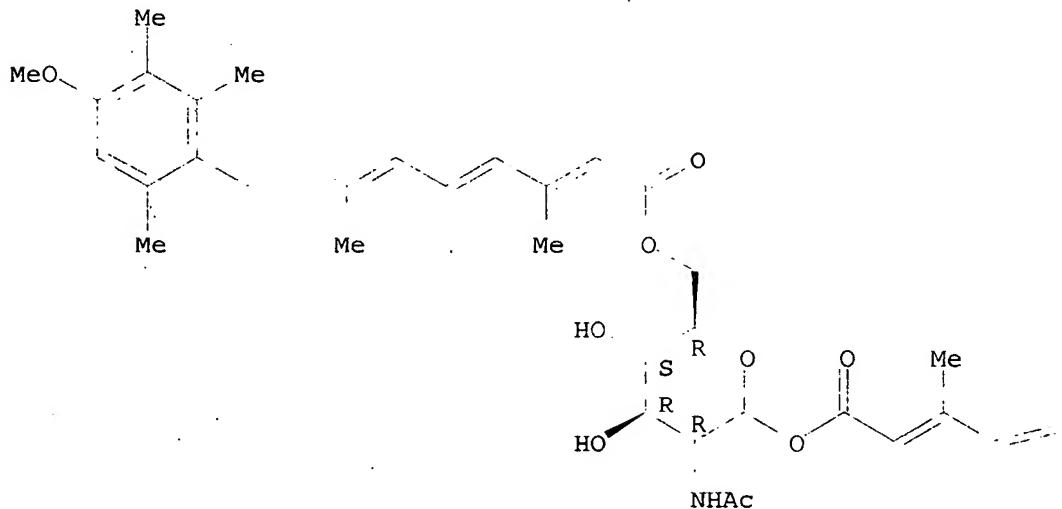
RN 99792-34-4 CAPLUS

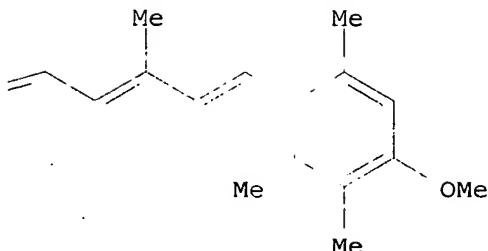
CN D-Glucopyranose, 2-(acetylamino)-2-deoxy-, 1,6-bis[9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenoate] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

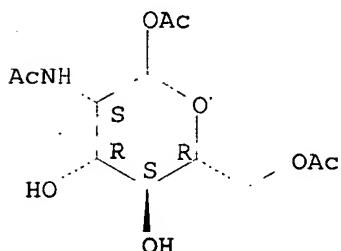
PAGE 1-A





L4 ANSWER 27 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1986:6112 CAPLUS
 DOCUMENT NUMBER: 104:6112
 TITLE: Synthesis with a immobilized enzyme of
 N-acetyl-9-O-acetyl-neuraminic acid, a sugar reported
 as a component of embryonic and tumor antigens
 Auge, Claudine; David, Serge; Gautheron, Christine;
 Veyrieres, Alain
 AUTHOR(S):
 CORPORATE SOURCE: Lab. Chim. Org. Multifonct., Univ. Paris-Sud, Orsay,
 91405, Fr.
 SOURCE: Tetrahedron Letters (1985), 26(20), 2439-40
 CODEN: TELEAY; ISSN: 0040-4039
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 104:6112
 IT 99409-64-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and reaction of, with benzylamine)
 RN 99409-64-0 CAPLUS
 CN D-Mannopyranose, 2-(acetylamino)-2-deoxy-, 1,6-diacetate (9CI) (CA INDEX
 NAME)

Absolute stereochemistry.



L4 ANSWER 28 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1984:44337 CAPLUS

DOCUMENT NUMBER:

100:44337

TITLE:

Metal complexes with biologically important ligands.
XXVII. Palladium(II) and platinum(II) complexes with
aminomonosaccharides

AUTHOR(S):

Thiel, Gerhard; Beck, Wolfgang

CORPORATE SOURCE:

Inst. Anorg. Chem., Univ. Muenchen, Munich, D-8000/2,
Fed. Rep. Ger.

SOURCE:

Zeitschrift fuer Naturforschung, Teil B: Anorganische
Chemie, Organische Chemie (1983), 38B(9), 1081-93

CODEN: ZNBA2; ISSN: 0340-5087

DOCUMENT TYPE:

Journal

LANGUAGE:

German

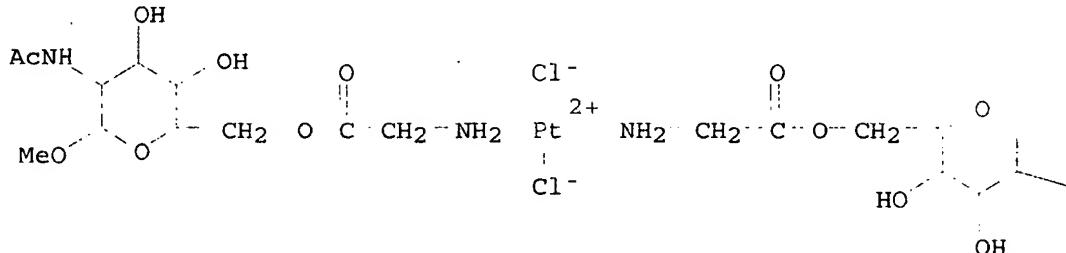
IT 83995-74-8P 87984-80-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 83995-74-8 CAPLUS

CN Platinum, dichlorobis[methyl 2-(acetylamino)-2-deoxy-D-glucopyranoside
6-glycinate- κ N6]-, (SP-4-2)- (9CI) (CA INDEX NAME)

PAGE 1-A

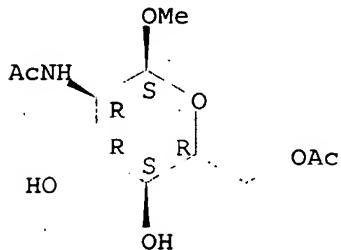


OMe

NHAC

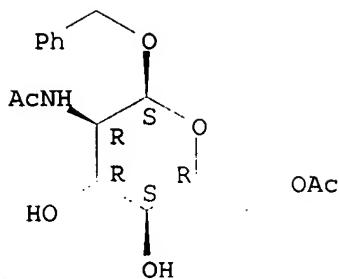
L4 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1981:92559 CAPLUS
 DOCUMENT NUMBER: 94:92559
 TITLE: Electrolytic methanolysis of acylated amino sugars
 AUTHOR(S): Imagawa, Takeshi; Nakashima, Yasushi; Kawanisi, Mituyosi
 CORPORATE SOURCE: Dep. Ind. Chem., Kyoto Univ., Kyoto, 606, Japan
 SOURCE: Chemistry Letters (1980), (12), 1609-12
 CODEN: CMLTAG; ISSN: 0366-7022
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 76567-85-6P
 RL: PREP (Preparation)
 (preparation of, by electrochem. deacetylation of corresponding acetamido triacetyldeoxyglucopyranocide on gold in methanol)
 RN 76567-85-6 CAPLUS
 CN α -D-Glucopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-acetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



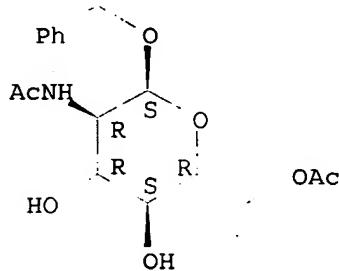
L4 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1980:550521 CAPLUS
 DOCUMENT NUMBER: 93:150521
 TITLE: Simple synthesis of the determinant trisaccharide of the Lea blood group
 AUTHOR(S): Bovin, N. V.; Zurabyan, S. E.; Khorlin, A. Ya.
 CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, USSR
 SOURCE: Bioorganicheskaya Khimiya (1980), 6(5), 789-90
 CODEN: BIKHD7; ISSN: 0132-3423
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 IT 67535-71-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (glycosidation of, by acetobromogalactose)
 RN 67535-71-1 CAPLUS
 CN α -D-Glucopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-, 6-acetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



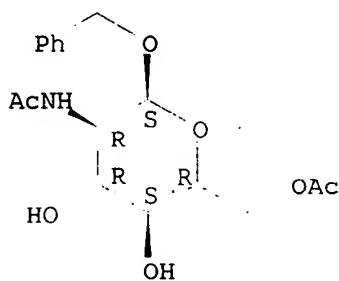
L4 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1979:611742 CAPLUS
 DOCUMENT NUMBER: 91:211742
 TITLE: Recent advances in glycosylation reactions
 AUTHOR(S): Sinay, Pierre
 CORPORATE SOURCE: Univ. Orleans, Orleans, Fr.
 SOURCE: Pure and Applied Chemistry (1978), 50(11-12), 1437-52
 CODEN: PACHAS; ISSN: 0033-4545
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 67535-71-1
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (glycosylation of, in the presence of mercuric bromide and mol. sieve)
 RN 67535-71-1 CAPLUS
 CN α -D-Glucopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-,
 6-acetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1978:529831 CAPLUS
 DOCUMENT NUMBER: 89:129831
 TITLE: Synthesis of 3-O-(β -D-galactopyranosyl)-,
 6-O-(α -L-fucopyranosyl)-, and
 4-O-(α -L-fucopyranosyl)-N-acetyl-D-glucosamine
 by the diphenylcyclopropenyl method
 AUTHOR(S): Zurabyan, S. E.; Kolomeer, G. G.; Khorlin, A. Ya.
 CORPORATE SOURCE: M. M. Shemyakin Inst. Bioorg. Chem., Moscow, USSR
 SOURCE: Bioorganicheskaya Khimiya (1978), 4(5), 654-63
 CODEN: BIKHD7; ISSN: 0132-3423
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 IT 67535-71-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 67535-71-1 CAPLUS
 CN α -D-Glucopyranoside, phenylmethyl 2-(acetylamino)-2-deoxy-,
 6-acetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.

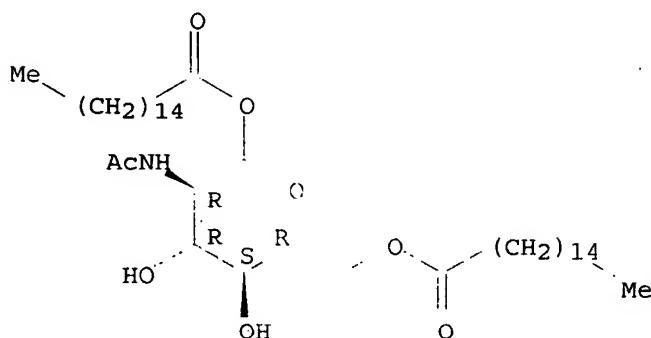


L4 ANSWER 34 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1975:171362 CAPLUS
 DOCUMENT NUMBER: 82:171362
 TITLE: 2-Acetoamido-6- or -1,6-di-fatty acid-D-glucose
 INVENTOR(S): Matsumura, Yoshio; Tobari, Yoshio
 PATENT ASSIGNEE(S): Nippon Chemical Co., Ltd.
 SOURCE: Jpn. Tokkyo Koho, 2 pp.
 CODEN: JAXXAD
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49020763	B	19740527	JP 1970-115327	19701221
PRIORITY APPLN. INFO.:			JP 1970-115327	19701221
IT 55458-26-9P				
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
RN 55458-26-9 CAPLUS				
CN D-Glucopyranose, 2-(acetylamino)-2-deoxy-, 1,6-dihexadecanoate (9CI) (CA INDEX NAME)				

Absolute stereochemistry.

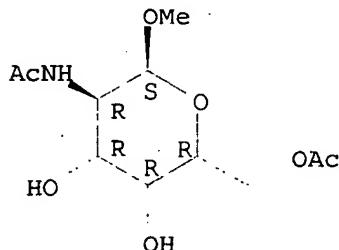


L4 ANSWER 35 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1973:442801 CAPLUS
 DOCUMENT NUMBER: 79:42801
 TITLE: Selective sulfation of the axial hydroxyl group in
 methyl 2-acetamido-6-O-acetyl-2-deoxy- α -D-
 galactopyranoside with sulfur trioxide-pyridine
 AUTHOR(S): Hirano, Shigehiro
 CORPORATE SOURCE: Dep. Agric. Biol. Chem., Tottori Univ., Tottori, Japan

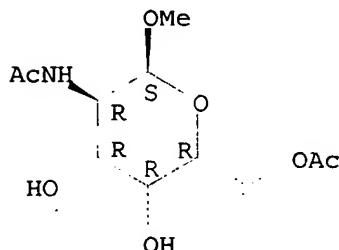
SOURCE: Carbohydrate Research (1973), 27(1), 265-7
 CODEN: CRBRAT; ISSN: 0008-6215
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 42776-67-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and selective sulfation of)
 RN 42776-67-0 CAPLUS
 CN α -D-Galactopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-acetate (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 42776-67-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (selective sulfation of)
 RN 42776-67-0 CAPLUS
 CN α -D-Galactopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-acetate (9CI) (CA INDEX NAME)

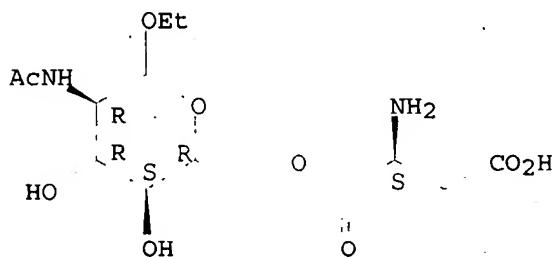
Absolute stereochemistry.



L4 ANSWER 36 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1967:55672 CAPLUS
 DOCUMENT NUMBER: 66:55672
 TITLE: Studies on 2-amino-2-deoxy-D-glucopyranose derivatives. XIV. Comparison of stabilities of O-aminoacyl derivatives of 2-acetamido-2-deoxy-D-glucose toward hydrolysis
 AUTHOR(S): Yoshimura, Juji; Funabashi, Masuo; Ishige, Sadao; Sato, Tetsuo
 CORPORATE SOURCE: Inst. Technol., Tokyo, Japan
 SOURCE: Carbohydrate Research (1967), Volume Date 1966, 3(2), 214-19
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 3877-52-9
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (hydrolysis of)
 RN 3877-52-9 CAPLUS

CN Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-(4-hydrogen L-aspartate),
D- (8CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 37 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1965:424401 CAPLUS

DOCUMENT NUMBER: 63:24401

ORIGINAL REFERENCE NO.: 63:4375b-c

TITLE: Synthesis of 2-acetamido-2-deoxy-3-O-(β -D-galactopyranosyl)- α -D-galactose

AUTHOR(S): Flowers, H. M.; Shapiro, David

CORPORATE SOURCE: Weizmann Inst. Sci., Rehovoth, Israel

SOURCE: Journal of Organic Chemistry (1965), 30(6), 2041-3
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

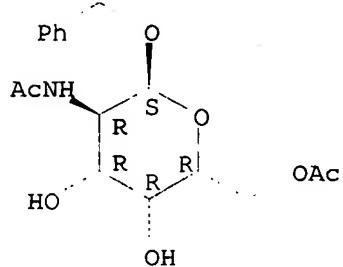
IT 3554-92-5P, Galactopyranoside, benzyl 2-acetamido-2-deoxy-, 6-acetate, α -D-

RL: PREP (Preparation)
(preparation of)

RN 3554-92-5 CAPLUS

CN Galactopyranoside, benzyl 2-acetamido-2-deoxy-, 6-acetate, α -D-
(8CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 38 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1965:74471 CAPLUS

DOCUMENT NUMBER: 62:74471

ORIGINAL REFERENCE NO.: 62:13218d-h

TITLE: Synthesis of 2-acetamido-6-O-aminoacyl-2-deoxy-D-glucoses

AUTHOR(S): Yoshimura, Juji; Funabashi, Masuo; Ishige, Sadao;
Sato, Tetsuo

CORPORATE SOURCE: Tokyo Inst. Technol.

SOURCE: Nippon Kagaku Zasshi (1964), 85(8), 511-14

CODEN: NPKZAZ; ISSN: 0369-5387

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

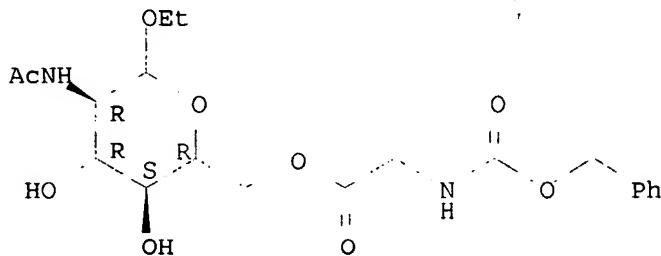
IT 3877-47-2 4119-57-7

(Derived from data in the 7th Collective Formula Index (1962-1966))

RN 3877-47-2 CAPLUS

CN Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with N-carboxyglycine N-benzyl ester, D- (8CI) (CA INDEX NAME)

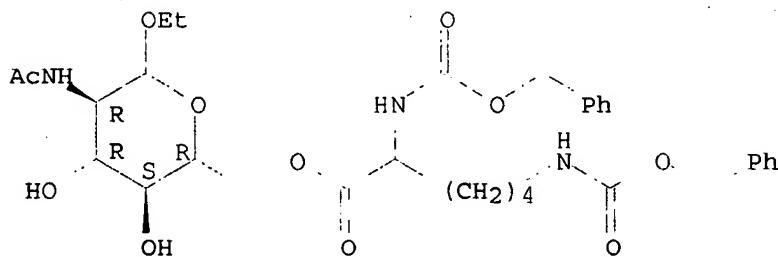
Absolute stereochemistry.



RN 4119-57-7 CAPLUS

CN Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with N2,N6-dicarboxylysine N2,N6-dibenzyl ester, D- (8CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 3877-48-3P, Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with glycine, D- 3877-49-4P, Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with glycine, oxalate (2:1), D-

3877-50-7P, Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with lysine, D- 3877-51-8P, Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with lysine, oxalate (1:1), D-

3877-52-9P, Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6- α -aspartate, D- 3905-54-2P, Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with N-carboxyaspartic acid N,4-dihenzyl ester, D-

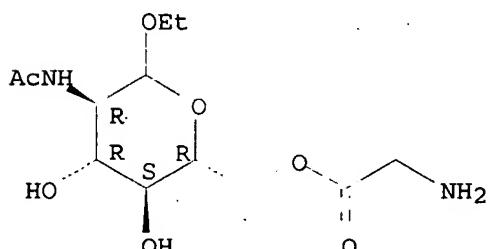
RL: PREP (Preparation)

(preparation of)

RN 3877-48-3 CAPLUS

CN Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with glycine, D- (8CI) (CA INDEX NAME)

Absolute stereochemistry.

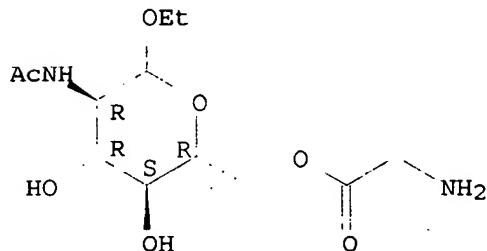


RN 3877-49-4 CAPLUS
CN Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with glycine, oxalate
(2:1), D- (8CI) (CA INDEX NAME)

CM 1

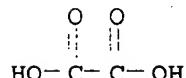
CRN 3877-48-3
CMF C12 H22 N2 O7

Absolute stereochemistry.



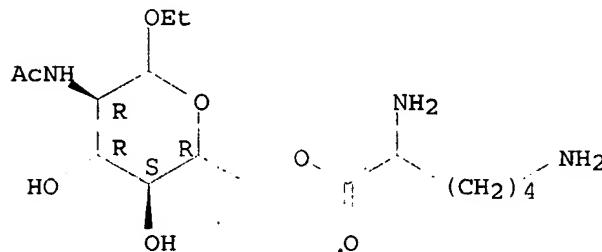
CM 2

CRN 144-62-7
CMF C2 H2 O4



RN 3877-50-7 CAPLUS
CN Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with lysine, D- (8CI)
(CA INDEX NAME)

Absolute stereochemistry.

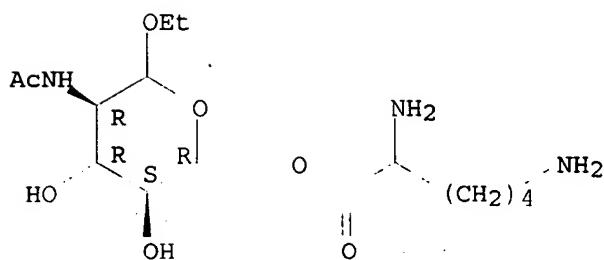


RN 3877-51-8 CAPLUS
CN Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with lysine, oxalate
(1:1), D- (8CI) (CA INDEX NAME)

CM 1

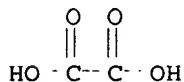
CRN 3877-50-7
CMF C16 H31 N3 O7

Absolute stereochemistry.



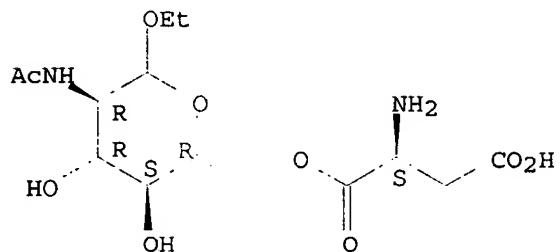
CM 2

CRN 144-62-7
CMF C2 H2 O4



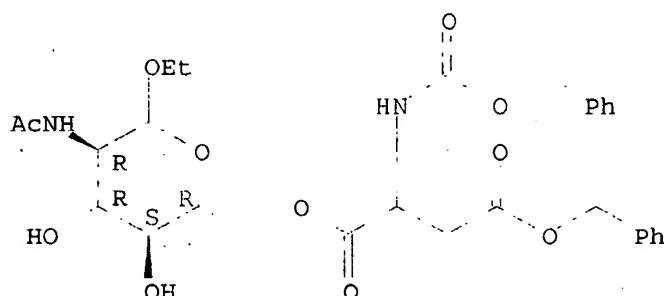
RN 3877-52-9 CAPLUS
CN Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-(4-hydrogen L-aspartate), D- (8CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 3905-54-2 CAPLUS
CN Glucopyranoside, ethyl 2-acetamido-2-deoxy-, 6-ester with N-carboxyaspartic acid N,4-dibenzyl ester, D- (8CI) (CA INDEX NAME)

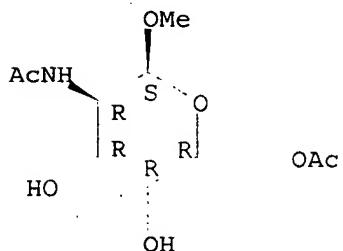
Absolute stereochemistry.



L4 ANSWER 39 OF 39 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1959:50826 CAPLUS
DOCUMENT NUMBER: 53:50826
ORIGINAL REFERENCE NO.: 53:9076a-i, 9077a-d

TITLE: 6-(O-Methyl)-D-galactosamine hydrochloride(2-amino-2-deoxy-6-(O-methyl)-D-galactose hydrochloride)
 AUTHOR(S): Stoffyn, Pierre J.; Jeanloz, Roger W.
 CORPORATE SOURCE: Harvard Med. School, Boston, MA
 SOURCE: Journal of the American Chemical Society (1958), 80, 5690-2
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 IT 42776-67-0P, Galactopyranoside, methyl 2-acetamido-2-deoxy-, 6-acetate
 RL: PREP (Preparation)
 (preparation of)
 RN 42776-67-0 CAPLUS
 CN α -D-Galactopyranoside, methyl 2-(acetylamino)-2-deoxy-, 6-acetate
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	141.65	313.96

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